

King Fahd University of Petroleum & Minerals

Electrical Engineering Department

EE 466 (053): Power System Protection

Textbook: Power System Relaying by S.H. Horowitz

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Grading System: Assignments & Quizzes (15%)
Major Exams (30%)
Design Project (25%)
Final Exam (30%)

Examination Dates Major I **July 15, 2006**
Major II **August 8, 2006**

Tentative Class Schedule

Week	Text	Topics
1	Handout	Review of Symmetrical and Unsymmetrical Fault Calculations
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2	1.1 – 1.7	Introduction to Protective Relaying
3	2.1 – 2.8	Relay Operating Principles
4	3.1, 3.2, 3.4, 3.6, 3.7	Current and Voltage Transformers,
5	7.1 – 7.14	Generators Protection
5	7.1 – 7.14	Motors Protection
6	8.1 – 8.3,	Transformer Protection
6	8.5, 8.6	Transformer Protection
7	4.1 – 4.7,	Non-Pilot Protection of Transmission Lines
7	5.1 – 5.3, 5.5, 5.8	Non-Pilot Distance Protection of Transmission Lines
		Project Proposals Formulation, and Introduction and learning of Protection Relaying Software
8	6.1 – 6.6	Pilot Protection of Transmission Lines